

aps

S E C R E T

IN 29000

TOR: 23/1541Z SEP 68 DES

S E C R E T 222245Z SEP 68 CITE [REDACTED]

25X1A

PRIORITY [REDACTED] INFO: PRIORITY [REDACTED]

25X1A

IDEALIST [REDACTED] SCOPE CROSS

NO NIGHT ACTION

FOLLOWING IS RESUME OF LOX ACTIVITIES ON 058 LAST THIRTY-SIX HOURS. FROM [REDACTED]

TESTS OF THE OXYGEN SYSTEM THUS FAR GIVE NORMAL OPERATION. IT HAS BEEN CONCLUDED THAT IT WOULD BE DIFFICULT TO REPRODUCE THE FAILURE OF TUESDAY. IN VIEW OF THIS IT WAS DECIDED TO GO TO THE RECOMMENDED PROCEDURE OF STAYING IN BUILD UP ON BOTH SYSTEMS.

A NEW PROBLEM APPEARED TODAY WHEN ATTEMPTING TO PARTIALLY DRAIN NBR 1 SYSTEM PER THE NEW PROCEDURE. THE DRAIN VALVE FROZE AND CAUSED ALL OF THE LOX TO DRAIN. THIS WAS APPARENTLY CAUSED BY USING THE VALVE TOO SOON AFTER DRAINING A SMALL AMOUNT. THE VALVE PICKED UP EXTERNAL MOISTURE AND THE SECOND USE FROM IT. ALTHOUGH THE VALVE IS SUPPOSED TO BE A CRYOGENIC VALVE IT IS UNSUITABLE FOR THIS PURPOSE.

DISCUSSIONS WITH WRIGHT PATTERSON AND LAC OXYGEN EXPERTS INDICATES THAT THE SO CALLED HIGHER PRESSURES ARE NOT HARMFULL. THIS IS TO BE REVIEWED FURTHER AND SHOULD BE TESTED AT NORTH BASE.

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THE SYSTEM ON 058 HAS BEEN SERVICED AND IS ON BUILDUP FOR
MONDAY FLIGHT.

END OF MSG

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